Saturday Night Press,
Toronto, Canada.

DIRECTIONS FOR TREATMENT
and
INSTRUCTIONS FOR OPERATING

The Branston VIOLET RAY HIGH FREQUENCY GENERATOR AND Ozone and Sinusoidal Controller

FIFTH EDITION

CHAS. A. BRANSTON CO.
Offices and Factory:
41-45 Ellicott St. - Buffalo, N.Y.

FORM 55 10M-12-20

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Instructions for Operating

READ CAREFULLY

Connect the attachment plug to a lamp socket and then turn on the current at the lamp base; or, the plug may be inserted into the wall receptacle socket if preferable. If the vibrator does not at once begin to operate, turn the controlling knob to the right slowly until the effect is obtained. Then, should the current not come through to the electrode, hold the glass bulb in the hand for a moment or two. The warmth of the hand breaks down the vacuum in the tube, permitting the current to flow through. Adjust the controlling knob right or left to obtain the desired strength of current. Right increases and left decreases strength of current. This controlling knob is not a switch and does not shut off the current, but is simply to regulate the amount of current delivered by the Generator. As soon as through using be sure and turn off the current at lamp socket or receptacle. Models 9, 5B, 7 and 25 will operate on either direct or alternating current, and on any voltage from 100 up to 120. The Sinusoidal current, as given by our Models 27 and 29, is only obtained from our Generators when they are connected with alternating current of 100 to 120 volt. If they are connected to direct current, the Sinusoidal controller will deliver a true Galvanic current. This can be regulated to any desired strength, and is used principally for electrolysis, for removing superfluous hair, and for any treatment where galvanic current is indicated.

Generators are also made, when ordered, for operating on voltages from 120 to 250, direct or alternating, also on 32 volt lighting system. Do not permit Generator to run without an Electrode being in the handle and the current drawn from the Electrode. Otherwise the current is converted into heat and eventually will heat the handle.

If electrodes become loose in handle, unscrew end of handle and withdraw coil carefully, and remove electrode socket.

To remove the brass spring electrode socket, take a long screwdriver and remove screw at the bottom of large opening, and the ferrule will easily drop out of the electrode end. This can be replaced by reversing the operation after pressing prongs together.

If electrode breaks in handle, use same method for removing the end. This sometimes can be accomplished with pointed end of a file, the point being bent at right angles about one-eighth of an inch. This grips the plaster of paris and you can then easily draw end out.

If Generator makes a loud rattling noise and no current is received in the electrode, examine the cord connecting the electrode handle which will usually be found broken. To repair (if near handle), remove the end cap, withdraw coil, release screws holding cord, cut cord a little above broken wire, strip the new end three-quarters of an inch, and connect as previously found.

Never place electrodes on cold surface after using. The glass is warm and will crack if chilled too suddenly.

The Generators Need No Oil.

If the machine does not operate after following these instructions, *Return to Factory,* charges prepaid, for examination.

To obviate any unpleasant sensation when first making contact with a patient, the operator should hold the thumb or forefinger on the electrode, thereby taking the current until contact has been made. As soon as the electrode is in contact remove the thumb or finger so that the patient will receive the full flow of current. This method will be found especially desirable in treating the throat or teeth, nose, or ear, as well as in rectal and vaginal work.

In treating with No. 2, metal electrode, let the patient clasp it in his hand before the current is turned on so that there will be no unpleasant sensation. The current should be weak at first and gradually increased to the desired strength. The operator's fingers should then be run very lightly over the scalp and forehead and through the hair or over parts to be treated, the finger ends barely touching, so as to draw the current through the part treated.

CAUTION

1. In massage and scalp treatments do not use a liniment or hair tonic containing over 40 per cent. of alcohol.

2. Although the spark from the vacuum tube is germicidal in character, yet ordinary sanitary rules should be followed in the care of electrodes.

3. Never insert or remove an electrode from any orifice of the body while the current is turned on.

4. Make it a general rule to never allow a vacuum tube to remain in contact with mucous membrane for more than *seven* minutes at one treatment.

5. When introducing electrodes No. 17 or 18 into the urethra, care should be taken not to use any undue force and thereby break off the glass tube in the canal.

6. Electrodes Nos. 11, 12, 14, 15, 17, 18 should be lubricated with Lubra-Septol before being introduced into the body.

7. Any electrical device should be kept clean and dry. It should never be used where there is any danger of its becoming wet or handled with wet hands. *Never use or handle any electrical device when any part of the body is immersed in water or wet, and when any part of the body is in contact with metallic connections. Never attempt to use the current for electric baths.*

Any deviation from this rule is likely to result in damage to the instrument and may lead to an unpleasant, or in rare instances, even a severe electrical shock to the operator.

8. *When holding metal electrode with one hand never let the other hand, or any part of the body, come in contact with water, radiator, or gas pipes, or with the metal parts on top of Generator.*

PREPARATION OF THE PATIENT

When the surface of the body is to be treated, if no spark is desired, the electrode must be in contact with the skin, and any clothing covering the part must be removed.

All metal, such as chains, corset steels, wire hair pins, etc., with which the tube comes in contact or within sparking distance, will be charged by the current and will give rise to sharp and disagreeable sensations. If they cannot be avoided they should be removed.

Aside from the reason spoken of above, when a sharp spark is required there is no necessity of removing the clothing, in fact a definite thickness of clothing gives a definite length of spark.

When the electrode sticks to the skin, dust with talcum powder.

GENERAL TECHNIQUE IN SKIN DISEASES AND LESIONS

In applying the high frequency spark over the surface of the body (as in Acne, Eczema, etc.), employ a current of sufficient strength to produce a spark one-quarter of an inch in length. Keep the tube in light contact with the skin and pass rapidly back and forth over the area to be treated. If the skin is moist, and the tube sticks, dust with talcum powder. Another method is to place a thin cloth over the surface, which will enable the tube to be moved smoothly and at the same time does not remove it far enough from the surface to make an unpleasant spark.

When itching is marked, the tube is raised from the skin, and as sharp a spark employed as the patient will tolerate for a short period of time. This quickly relieves the itching.

In treating lupus or any chronic ulcers, a spark is employed in the same manner, that is, as sharp as the patient can stand, but for not longer than two or three minutes at one time.

TECHNIQUE FOR RELIEF OF PAIN

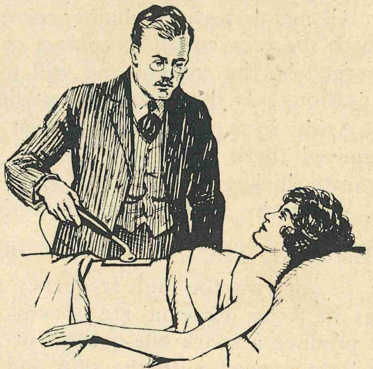
In headaches and neuralgia and other painful conditions, the No. 1 surface electrode is applied over the affected parts and relief can be had in five to twenty minutes, depending on how severe the pain may be.

ORIFICIAL TECHNIQUE

The technique of the application to the orifices of the body involves the use of tubes suited to the various areas, and also increases the question of sterilization and lubrication. In these cases the tube is in contact with the mucous membrane and no sensation is felt except that of warmth. To avoid any danger of burns the tube should not be left in contact for longer than seven minutes at any one treatment. Tubes should always be inserted before the current is turned on, and turned off again before the tube is removed. Lubricate tube with Lubra-Septol.

LOCAL AUTO-CONDENSATION

The "Plate Glass" method. Various methods have been devised for applying local Auto-Condensation locally over small areas. A very popular way known as the "Plate Glass" method consists in using the No. 2 metal handle and applying the sparks through thick plate glass held in contact with the patient's body. The glass is the di-electric, the metal handle corresponds to one plate of a condenser and the surface of the body next to the glass, to the other. This treatment will be found very effective for lowering high blood pressure.



CAUTERIZATION

If a hot spark is held steadily over the spot from thirty seconds up to two or three minutes, varying with the patient, it will have a cauterizing effect. The reaction is severe and the destruction of tissue may be carried to a marked degree. Such applications are used in the treatment of warts, moles, etc.

SUMMARY OF VACUUM TUBE EFFECTS

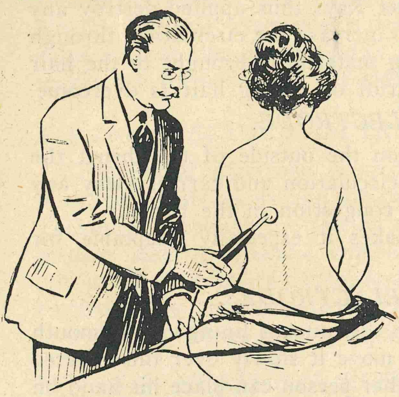
A mild contact with tube in contact is sedative. As the current is increased or the electrode raised from the surface, allowing a spark to pass, it becomes first stimulating, then strongly stimulating and finally caustic and destructive. The effects of the tube application are as follows:

1. Increases blood supply to given area.
2. Increases oxidation and local nutrition.
3. Increases amount of oxygen in the blood.
4. Increases output of carbon dioxide.
5. Increases secretion and elimination of waste products.
6. Liberates ozone.
7. Increases bodily heat without corresponding rise in temperature.
8. Locally germicidal.

Directions for Use of Electrodes

NO. 1. SURFACE ELECTRODE.

The Surface Electrode, as its name indicates, is used for treating the face and the entire surface of the body. Move the Surface Electrode slowly over the face in order to increase the circulation in the skin and improve the complexion. Wherever this electrode is applied it improves the surface or capillary circulation, and so promotes nutrition that hollow places in the face and body are filled up. The Surface Electrode is moved slowly over the entire body to increase circulation, overcome cold extremities, and to give a general tonic treatment. See directions for Ground Electrode.



To produce stimulating effects, which increase the circulation to the parts treated and relieve pains and sore or stiff muscles, apply Surface Electrode over thin underclothing. Keep the electrode moving so that the slight prickling sensation will not be disagreeable.

An extra Surface Electrode should be kept on hand in case one should become broken or the vacuum exhausted. The length of the life of a vacuum tube is variable, like that of the electric light bulb. We cannot guarantee vacuum electrodes for any length of time. We manufacture the highest grade vacuum tubes that can be made, and test all tubes before sending them out; then, having provided our customers with the best that the market affords, our responsibility ends. Electrodes should never be laid on a cool surface while warm, as sudden expansion or contraction may exhaust the vacuum. Lay on soft cloth.

NO. 2 METAL ELECTRODE.

When this electrode is held in the hand the entire body is rapidly saturated with high frequency electricity and very invigorating effects are produced. Masseurs have patients hold this electrode while they manipulate the various parts of the body, and thus they are able to draw the current wherever their hands are in contact with the flesh. In order to obviate disturbing sparks, do not turn on the current until the hand covers the electrode. *When holding metal electrode with one hand never let another part of the body come in contact with* *water, radiator or gas pipes, or with any metal part on top of the generator.*

NO. 4 RAKE COMB ELECTRODE.

The Comb Electrode in the form of a rake is used to bring the Violet Rays in close contact with the scalp and to make several points of contact at one time. Violet Rays thus applied destroy any germs at the roots of the hair and so increase the circulation, through the scalp, that nutrient hair building material is brought to the hair roots and any local cause for dandruff or falling hair is overcome.

NO. 5 EXTERNAL THROAT ELECTRODE.

When it is applied to the skin on the outside of the throat the current flows inward, increases the circulation and carries away any waste matter, thus eliminating any congestion in the throat.

The shape of this Electrode makes it especially adaptable for treating the arms and legs.

NO. 6-7. INTERNAL THROAT ELECTRODES.

Place this electrode in touch with the mucous lining of the mouth before turning on the current, then move it slowly over the affected area, or as near it as possible. Another person can place his hand on the back of the neck while the Violet Rays are being applied to the throat internally, and his hand will draw the current out at the point of contact so that the current will be made to flow in a direct line from where the electrode is applied to where the hand of another person is, applied, thus flowing through an affected area. If the Throat Electrode is applied to the base of the tongue and another person's hand is applied to the front of the throat or over the bronchial tubes, the current will be drawn through these parts.

After placing the electrode in the mouth in contact with the mucous membrane and turning on the current, do not lift the electrode away from the mucous lining until the current has been turned off, as a sharp spark will produce a stinging sensation which will be disagreeable.

NO. 8-9-10. NASAL AND EAR ELECTRODES.

The Nasal and Ear Electrode is applied to the mucous membrane of the nose, five minutes at a time, to give internal treatments for Nasal Catarrh, colds or growths in the nose. The current should not be turned on until the electrode is in contact with the moist mucous membrane surface, so as to obviate any disagreeable spark. Used as an Ear Electrode, it is inserted in the ear against one side of the canal, but not deep enough to touch the ear drum. All troubles of the ear, such as catarrhal deafness, earache and chronic middle ear affections, are benefited by the Violet Ray treatments through the ear electrode.

NO. 11-12. VAGINAL ELECTRODES.

This Electrode is used in all catarrhal conditions of the uterus and vagina. First lubricate with Lubra-Septol and do not turn the current on until the electrode has been inserted into the vagina. This treatment gives relief in the case of neuralgia of the uterus or ovaries, inflammation of the bladder, and in cases of delayed or painful menstruation. Use a medium current and do not apply the current to any internal organ for longer than seven minutes at a time. The No. 11 Vaginal Electrode is insulated with an air grip along the sides so that the current flows to the end of the electrode and no sparks are formed along the sides.

NO. 14-15. RECTAL ELECTRODES.

The Rectal Electrode is used in treating stricture, hemorrhoids, piles, rectal abscesses and all catarrhal conditions of the intestines. Treatments through the rectum are very beneficial in diseases of the bladder and in prostatic troubles. The rectal electrode should be lubricated with Lubra-Septol and the current not turned on until the electrode has been inserted. Turn off current before the electrode is withdrawn so as not to spark affected parts.

NO. 17-18. URETHRAL ELECTRODES.

The Urethral Electrode is used for all inflamed catarrhal conditions of the urethral canal. It is lubricated and inserted before the current is turned on, and the current is turned off before withdrawing it so as to obviate any disagreeable spark. This treatment is very effective in stricture. The posterior urethra may be reduced almost as thoroughly and with much less pain by introducing a rectal electrode into the rectum. Never treat an internal organ more than seven minutes at a time. Care must be taken not to use any undue force and thereby break off the glass tube in the canal.

NO. 20. SPINAL ELECTRODE.

The Spinal Electrode has two points of contact and is made especially for treating both sides of the spine at once. The application of this electrode to the spine produces a very invigorating effect upon the entire nervous system. The electrode is convenient to use around the eyes and ears as its peculiar shape enables it to fit in hollow places.

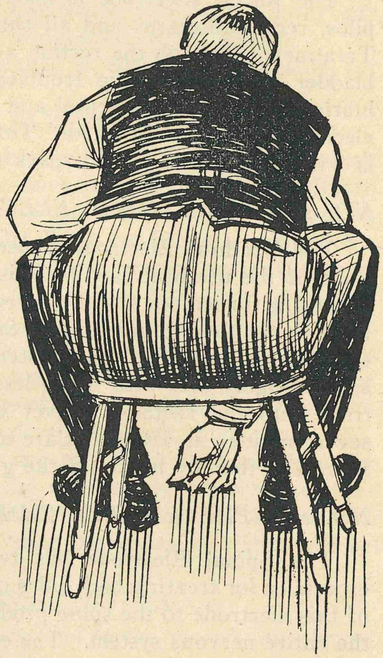
NO. 21. FULGURATION ELECTRODE.

Is used to remove warts, moles, or to cauterize any skin surface. It is an electrode ending with a metal point so as to generate a spark from the Violet Rays. By adjusting the parts of the electrode, a long or short spark can be developed. Care must be taken in burning warts and moles not to burn too deeply. A very few sparks will whiten the skin and this skin will come off in a few days, leaving a healthy skin surface. After cauterizing apply the surface electrode in close contact with the cauterized spot in order to relieve the burning sensation.

NO. 22-23. EYE ELECTRODES.

The Eye Electrode is for treating the eyes through the eye-lids. This is used freely in all eye diseases with a medium current. If any disagreeable sensation is produced the current can be made very light by holding the hand around the stock of the electrode while the end is in contact with the eyelid. The double eye electrode, No. 23, treats both eyes at once.

This electrode can also be used for spinal applications.



Showing how body should be bent forward so as to tighten painful muscles for treatment of lumbago.

NO. 24. CONDENSER ELECTRODE.

Condenses the current near the surface of the glass so as to produce considerable heat, which is very desirable in deep-seated diseases and in all chronic cases. It carries the current very deep into the tissues and gives almost immediate relief in painful and rheumatic affections.

NO. 25. CATAPHORIC ELECTRODE.

The Cataphoric Electrode is similar to No. 24 Electrode, except that there is a depression on the face of the tube for holding gauze wet in solution. The solution may be driven into the tissue. Do not use any solution containing over 40 per cent. alcohol.

NO. 26. SPIRAL ELECTRODE.

The Spiral Electrode is used the same as No. 1 Surface, but is larger and covers a larger surface, and is especially recommended for body treatment.

NO. 30. OZONE GENERATOR.

In this electrode the virtues of the Violet Ray are combined with the virtues of ozone and the pine-laden air of the North woods. Those who cannot go to the pine woods for relief of Hay Fever, Lung and

Bronchial troubles can inhale the ozonized pine fumes from the Generator with equally beneficial results. The ozone invigorates the blood and exhilarates the entire body while the pine odors soothe and quiet the nerves of the nose and bronchial tubes. Numerous cases of Hay Fever, Asthma and Lung Trouble have been relieved or cured by the use of our Ozone Generator. In cases of Hay Fever the treatment should begin several weeks before the time of the Hay Fever attack.

A few drops of the inhalent are placed in the receptacle at the top of the Ozone Generator and then the cork and nose piece are fitted into place. This electrode fits into the handle of the Generator, the same as any other electrode.

While inhaling the ozone, sit down and rest the handle of the Violet Ray Generator on the lap to prevent its dropping, hold the left hand round the neck of the glass below the part containing the inhalent. This will draw the current into the hand through the glass, warm the container and fill the upper receptacle with white vapor. Insert in the nostrils the small tube at the top and breathe deeply, at the same time agitating the rubber bulb so as to force the ozonized pine fumes into the nostrils. With the double inhaler both nostrils can be supplied with the fragrant ozone at the same time. Our Ozone Combination Models Nos. 25 and 29 are specially recommended.

NO. 35. PYORRHEA ELECTRODE.

The Pyorrhea Electrode is applied directly to the gums for all conditions of weak or receding gums or for Riggs' disease; then turn on the current and move the electrode over the surface of the gums, keeping it in contact so as not to produce a spark. Turn off the current before withdrawing the electrode from the mouth so as not to spark the mucous membrane. This electrode drives ozone into the gums and neutralizes any acid condition of the tissues and also increases the circulation in all the tissues, with the result that all weaknesses and diseases of the gums are rapidly overcome. Most remarkable cures in very severe cases have been reported after using this electrode. Be careful not to touch metal fillings in the teeth, as this will produce a slight spark.

NO. 36. ROLLER VACUUM ELECTRODE.

The Roller Vacuum Electrode, as its name implies, is a glass roller for general body treatment, used similarly to No. 1 Surface, but covers the body far more quickly. It is especially recommended for general tonic treatments.

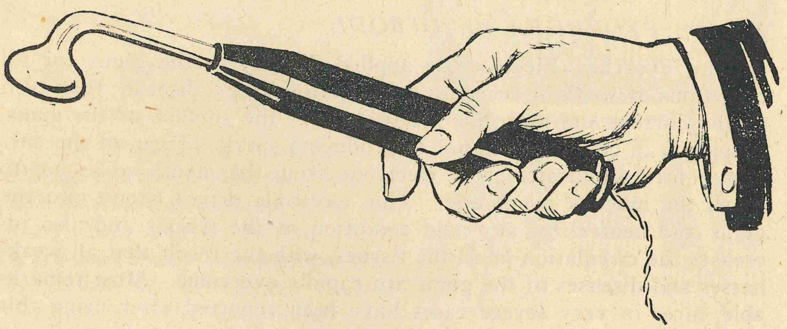
NO. 37. SPECIAL GROUND ELECTRODE.

This is a sponge applicator, handle, and cord, used to draw the current out of the body at some particular point where the action of the current is especially needed. The end of the wire is connected with a large body of metal, such as a stove or metal bed, and the sponge, after being dampened in salt water, is applied to surface of the body. The best effects are realized by connecting the end of the wire with a fine wire, which in turn is wrapped around a nail or other piece of metal and dropped to the earth. This connects the body with the earth current, which of itself has some beneficial effects upon the human organism. When the Vaginal Electrode is giving the current from the Violet Ray Generator the sponge can be applied over the ovaries or over any other painful spot in order to draw the current through the body at that place. The surface electrode can be applied to any place on the back and the sponge of the Ground Electrode to the skin on the opposite side of the body and the Violet Rays can be carried directly through any painful area or any diseased organ.

Do not use this Ground Electrode with the earth or water or gas pipes while using the metal Electrode No. 2. Use the Ground with a vacuum tube Electrode only.

Directions for Treatment

VIOLET RAY HIGH FREQUENCY



The electrode handle should always be held as shown, with the hand as near as possible to the end where the cord enters the handle. As it is impossible to absolutely insulate the High Frequency Current, this way of holding the handle prevents the current from being partially drawn through the hand away from the glass Electrode.

VIOLET RAY HIGH FREQUENCY DIRECTIONS

SPECIAL ATTENTION. In order to obtain the best results with the Branston Generator the treatments must be taken regularly according to directions. Do not discontinue the treatments when you have obtained relief—keep them up for a longer period and effect a permanent cure.

VIOLET RAY HIGH FREQUENCY DIRECTIONS

Abscess. Use Electrode No. 1 with strong current in close contact with skin once or twice daily.

Acne Vulgaris (Pimples). No. 1 Electrode with medium current five minutes twice daily. Keep Electrode in close contact with skin.

Adhesions. No. 1 Surface or No. 24 Condenser Electrode with current sufficient to produce half-inch sparks held in loose contact with the abdominal wall seven to ten minutes.

Alcoholism. No. 1 Electrode over spine, solar plexus, and to the extremities. If blood pressure is high, use Auto-Condensation on spine.

Alopecia (Falling Hair). No. 4 Electrode used over scalp five to ten minutes daily.

Anemia. Auto-Condensation and use of Ozone Generator is advised.

Appendicitis. No. 1 or No. 24 Electrode with medium current kept moving in contact with the skin over region of appendix.

Arteriosclerosis (High Blood Pressure). Auto-Condensation at least three times per week until results are obtained. Must be continued for forty or fifty treatments (see Eberhart's Manual, page 175, also Technique for Auto-Condensation on page 5).

Asthma. No. 1 Electrode used over chest allowing sparks to pass through underwear. Daily treatments of ten minutes' duration, also use Ozone Generator for ozone inhalations five minutes each day.

Atonic Dilation of the Stomach. In this we have complete relaxation of the motor fibres of the stomach. Use No. 1 Electrode over stomach for five minutes daily, followed by Auto-Condensation (plate glass method) for ten minutes. *Sinusoidal Current* is also advised.

Atrophy of the Optic Nerve. No. 22-23 Electrode used daily for five minutes in close contact with the eyelid, also at base of skull.

Baldness (see Alopecia).

Blepharitis (Granular Eyelids). No. 22 Electrode with very mild current held in loose contact with the eyelid two or three minutes twice daily.

Boils. Use mild spark from No. 1 Electrode over affected area five to ten minutes daily. No. 21 Electrode with sharp spark for a few seconds is also advisable. This frequently aborts a boil if used in the early stages.

Brain Fag. If blood pressure is high use Auto-Condensation applied daily, also No. 1 Electrode with medium current applied on forehead over eyes and back of ears and neck. If blood pressure is low apply sharp sparks to spine four or five minutes and over abdominal region for three minutes and over forehead and neck as above. Ozone inhalations, using Ozone Generator also desirable, five minutes daily.

Bronchial Asthma (see Asthma).

Bronchitis. Sharp sparks, using No. 1 Electrode applied over chest and back, may be repeated every four hours until congestion is relieved. Auto-Condensation and Ozone inhalations are also advised.

Callouses. Callosities of all kinds, including corns, are treated by application of sharp sparks, using No. 21 and Surface Electrode.

Carbuncle. Use No. 1 Electrode with medium current held close to the skin and moved over affected parts.

Chronic Ulcers. Use a sharp spark from No. 1 Electrode to get a stimulating effect, afterwards treat through two or three layers of gauze with tube in close contact, medium current.

Cold Extremeties. High Frequency is an ideal treatment for this condition. Use No. 1 Electrode over extremeties, in loose contact, till the skin becomes red. Treatments over spine and abdomen also advised daily.

Colitis (Inflammation of Colon). No. 1 Electrode with strong current passed lightly over bowel area or through underwear. Duration, fifteen minutes daily until relieved, and then three times weekly.

Constipation. Use as for Colitis, but keep in close contact with the skin. Use daily. Auto-Condensation and Sinusoidal Current also advised.

Convalescence. In convalescence Auto-Condensation and a general body massage with No. 1, 26 or 36 Electrodes has splendid tonic effects.

Corns (see Callouses).

Coughs. Speedy relief may be obtained by rubbing hot camphorated oil on chest and throat and then applying the surface electrode on same parts for about ten minutes. This is especially effective for children when usual remedies have failed.

Cystitis (Inflammation of the Bladder). No. 11 or 12 Electrode used daily for seven minutes at first, then every other day.

Dandruff. For any seborrheic condition use No. 1 or 4 Electrode with medium current kept in close contact with the surface twice daily.

Dyspepsia (see Atonic Dilation of the Stomach). The general tonic effect of ozone inhalations are also advisable as given by Combination Models No. 25 and No. 29, or No. 30 Ozone Generator.

Earache. Use Electrodes No. 8 or 9, with mild current, also No. 1 Electrode back of ear or mastoid three to seven minutes.

Eczema (see Technique for Skin Diseases).

Eye Diseases. High Frequency Current is especially valuable in all eye diseases. Use No. 22 or 23 Electrodes with mild current five minutes daily, also at base of skull.

Flabby Breasts. It is claimed by Dr. Monell that a stimulating application with vacuum Electrode to the relaxed nipple of the flabby breast will immediately show its beneficial effect.

Gastritis (see Atonic Dilation of Stomach).

Glaucoma. Use Auto-Condensation to lower blood pressure, also No. 22 or 23 Electrode over closed eye for five minutes daily.

Goitre. Use No. 1 Electrode or No. 24 Electrode with strong current kept in loose contact with the skin. Treat the sides of the neck as well as the goitre for five minutes. Then raise the tube and use as sharp a spark as the patient can stand for three minutes. Treat twice daily. In Exophthalmic Goitre the results are quicker than in simple goitre. Use until results are obtained. Numerous cures have been reported.

Gout. Auto-Condensation is the treatment. Do not use during a severe attack.

Gray Hair. Use No. 4 Electrode three to four times weekly. This takes a long treatment to obtain results.

Grippe (Influenza). Tonic spark to spine and solar plexus, using No. 1 Electrode. Ozone inhalations are also beneficial, using No. 30 Ozone Generator or Ozone Combination Models Nos. 25 or 29.

Hay Fever. Use No. 8 Electrode and No. 1 Electrode over nose and upper part of spine. Ozone inhalations are of even greater importance. Use No. 30 Ozone Generator or Ozone Combination Models.

Headaches. Use No. 1 Electrode over forehead, back of ears and back of neck until relieved.

Hemorrhoids (Piles). Use No. 14 or 15 Electrodes not longer than seven minutes at one treatment with mild current. See Orificial Technique.

Hypertension (High Blood Pressure). See Local Auto-Condensation.

Hypotension (Low Blood Pressure). Use sharp, stimulating sparks to spine and solar plexus.

Impotence. Use No. 1 Electrode with medium current over genitals and bladder region or lower half of spine. Use stimulating sparks on spine, ten minute treatment daily.

Infantile Paralysis. Daily application of stimulating sparks to spine and over all paralyzed muscles. Auto-Condensation is also advisable as well as vibratory massage. Sinusoidal Current is recommended.

Insomnia (Sleeplessness). There are few cases that cannot be cured. Use No. 1 Electrode on spine, back of neck and ears and on forehead. Use daily for fifteen minutes, preferably before retiring. Also hold No. 2 Metal Electrode for ten to fifteen minutes before retiring.

Intestinal Indigestion (see Atonic Dilation of the Stomach). The Sinusoidal Current is also beneficial. The diet should be regulated.

Laryngitis. Apply No. 1 or 5 Electrode to the throat externally five or ten minutes daily in loose contact. Ozone inhalations are also advisable.

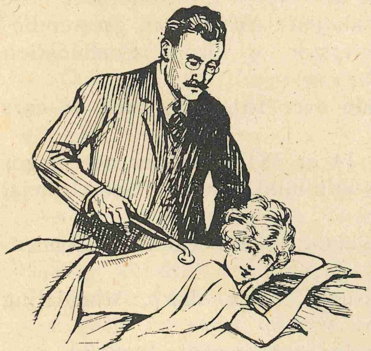
Leucorrhea. Use No. 11 or 12 Electrode daily in connection with antiseptic douches.

Locomotor Ataxia. Use sharp spark along spine, over buttocks, abdomen and joints, followed by Auto-Condensation. Daily treatments at first; later, three treatments weekly. The Sinusoidal Current should also be used.

Lumbago. Use strong current with Electrode No. 1 or No. 24 over the central lumbar region, with muscles on the stretch. Use sharp sparks. Immediate relief follows.

Moles, Moth Patches. Fulguration is the method used for moles, warts, etc. Avoid destroying too much tissue. Use No. 21 Electrode.

Nasal Catarrh. Use No. 8 Electrode with mild current three to four minutes on each side. Ozone treatments with No. 30 Ozone Generator or Models 25 and 29, are of the greatest importance.



Neurasthenia. General treatment with No. 1 Electrode. If blood pressure is high use Auto-Condensation; if low, use tonic sparks to spine. Ozone is a desirable adjunct. See directions on Sinusoidal Current.

Neuralgia. Use No. 1 Electrode with medium current over painful area in light contact with skin. Treatment is the same for all varieties.

Neuritis. In Neuritis we have an inflamed condition of a nerve, the pain simulating that of Rheumatism or Neuralgia. High Frequency Current is curative in all cases. Use No. 1 Electrode over affected area with a mild sedative current in close contact with the skin. Sparks must not be used. Use once or twice daily if necessary, fifteen minutes for each treatment; continue until cured.

Obesity. Auto-Condensation is indicated, apply locally. Superfluous fat is a result of imperfect metabolism.

Paralysis. Use No. 1 or No. 24 Electrode along the course of the paralyzed nerves and muscles, *from* the spine to the affected part, part of the time in close contact and part of the time raised to get a spark. Sinusoidal Current is also valuable.

Pelvic Abscess. Use No. 11 or 12 Electrode seven minutes twice daily. Also No. 1 Electrode externally over pelvic region with mild current.

Pleurisy. Treat through a layer of clothing with medium current over front and back until marked reddening is produced. Twice daily if necessary. Ozone treatments are also advisable.

Post Fracture Conditions. No. 1 Electrode used over affected parts helps to restore a normal condition.

Post Operative Conditions. Same as above, and Auto-Condensation is also valuable.

Prostatic Diseases. Dr. Eberhart says he has cured over 90 per cent. of these cases. Use No. 14 or 15 Electrode seven minutes daily, mild current. See Orificial Technique.

Puritis (Itching). This is relieved by using mild sparks over area.

Pyorrhea (Riggs Disease). Use No. 35 Electrode, seven minute treatments daily, with tube in close contact with the gums. Solution may be applied to the gums and the current applied afterwards. One to two treatments weekly. See Eberhart's Dental Technique.

Rheumatism. High Frequency Currents are of exceptional value in this disease. Use No. 1 or 24 or 25 Electrode in loose contact with the skin over affected area until relief is obtained. Use twice daily if necessary, and until cured.

Sciatica. Apply as above along the course of the nerve and to lower part of spine. Ten to fifteen minutes daily.

Skin Diseases. See Technique on Skin Diseases.

Sprains. Use No. 1 Electrode with moderate current in light contact and rub gently over sprain. Repeat in two or three hours if necessary.

Sore Throat. See Laryngitis.

Stiff Neck. See Rheumatism.

Tic Douloureaux. This has been successfully treated by High Frequency Current. Prolonged applications with No. 1 Electrode with medium current over the course of the nerve. Do not spark. Use in close contact.

Tonsilitis. See Laryngitis.

Tuberculosis (Pulmonary). Use Auto-Condensation. Ozone inhalations ten minutes daily are especially effective and should be used frequently.

Varicose Ulcers. Long, thick, muscle-toning spark over the affected limb, on the spinal centres and on the general muscle masses of the body are indicated. Use No. 1 or 24 Electrode.

Writers' Cramp. Use No. 1 Electrode with medium current applied in light contact from finger tips to and including shoulder area and upper spinal centres.

OZONE

PRODUCTION. Whenever an electric spark passes through the air ozone is liberated. Ozone is known under the chemical symbol O_3, and is an allotropic form of oxygen. At the same time ozone is liberated nitrous and nitric oxides are also produced.

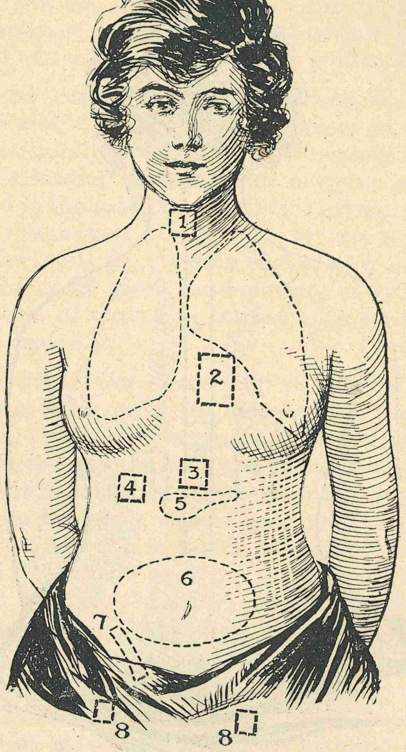
PHYSICAL ACTION. Ozone increases the oxygenation of the blood and tissues and increases the number of red blood corpuscles. Germs are destroyed by it, and it has been shown to be capable of so thoroughly disinfecting sewage that the filtered water was suitable for drinking. It is distinctly deodorant, and even a small ozonizer running in a room will destroy objectionable odors.

INDICATIONS. Ozone is beneficial to the extent that pure air is desired, but there are some diseases in which it is of particular benefit. These are: Anemia, all diseases of the respiratory organs, including tuberculosis; infectious diseases, and all conditions where there is imperfect oxidation and impaired nutrition. An ozone spray has been demonstrated to be healing in all forms of ulcers, etc.

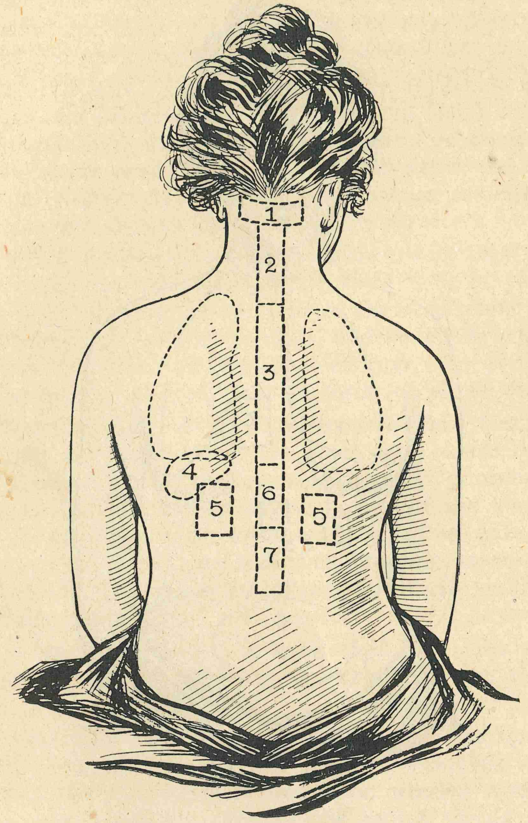
METHOD OF USING. In cases where individual treatment is required it is not necessary to fill the room with ozone, as quite satisfactory results can be obtained by using the small portable Ozone Generator, which may be attached to the handle of the Violet Ray Generator, or in some of our models is equipped as part of our Generator. It has been found necessary to filter the ozone through essential oils in order to remove the nitrous and nitric oxides. Oil is supplied for this purpose.

The value of ozone should not be overlooked and cases where it is indicated are mentioned in the list of diseases in this treatment book.

The Ozone Generator on Model 25 should be operated in the following manner: *First,* see that there is sufficient ozone oil to saturate the felt pad in the vial, which is under the wooden rosette into which the two metal tubes fit. *Second,* the switch should then be turned to cover the little round plate marked "O," after which it is only necessary to place the mask to the face, breathing in with it in that position, and removing it, when breathing out.



On the front of the body, "1" marks the region of larynx; the dotted lines on the chest mark the pulmonary area; "2" is an important region for reflex actions upon the heart. Back of "4" lies the gall-bladder; "3" marks the anterior relation of the deep-lying solar plexus, and "5" beneath it shows the boundaries of the pancreas; "6" marks the intestines; "7" locates the appendix, and each "8" has a surface relation to an ovary.



No. "1" on the back of the head as the base of the brain, is an important region for counter-irritation; "2" is the surface over the cervical spine and its nerve centres; "3" is the dorsal spine and centres; "6" the lumbar spine and centres, and "7" is the field of origin of nerves supplying the pelvic genito-urinary organ and sexual apparatus. The pulmonary area is defined by dotted lines. The right and left kidneys lie behind the fields "5-5," and under "4" is the spleen.

The Sinusoidal Current

WHAT IT IS. It is a most scientific current of remarkable healing properties, most soothing in its application to the most delicate child or to the most robust man. It consists of a series of electric waves rising and falling gently in such a manner as to produce a perfect massage of the tissues through the gentle contraction and relaxation of muscle and nerve tissue produced.

The Sinusoidal current was first discovered in 1893 by Dr. O'Arsonval of Paris. The use of this current in the treatment of many diseases, especially of muscular and nervous origin proved so effective that the leading physicians all over the world became intensely interested in the subject. Dr. J. H. Kellogg, a noted authority on electricity, wrote largely of the many benefits to be derived from the Sinusoidal Current. Dr. Abrams of San Francisco wrote several books in which he called special attention to the remarkable curative effects of this form of electricity in many cases which had hitherto been considered incurable.

WHAT IT DOES. One of the most remarkable properties of the Sinusoidal Current is in increasing the tone of the various organs, such as the heart, lungs, liver, stomach, intestines, bowels, etc., which are not easily reached by other means of electrical treatment. This current can be directed into the organs named by applying the current along the spine to the nerve outlets from those organs. Many conditions of ill-health are due to a lack of tone of the heart; some to the weakness of the kidneys or liver. By applying the proper stimulus to the organ affected, the general health can be built up.

WHY IT IS APPLIED TO THE SPINE. Everyone knows and realizes that nearly every nerve in the body originates in the spinal cord, passing out between the vertebrae, having some function to perform upon the organs. Each nerve has its opponent nerve and when each pair of nerves are in perfect equilibrium perfect health is the result.

Realizing that all sensations are reflexed or transmitted to the end of the nerve; for example, the ulna (commonly known as the crazy bone on the elbow) being touched, sensation is immediately felt at the end of the fingers; so with every nerve originating in the spinal cord. Knowing this to be true, then by the use of Sinusoidal Current applied at the root of any of these nerves, it is immediately reflexed to the organ supplied by that nerve such as the heart, lungs, liver, kidneys, bowels and pelvic organs. When any one of these organs has lost tone, the stimulus applied by means of sinusoidal electricity at the suitable spinal region will be reflexed to the organ, restoring its normal equilibrium (see chart as to where to apply treatment to the proper spinal region).

HOW TO LOCATE THE PART OF SPINE TO BE TREATED.

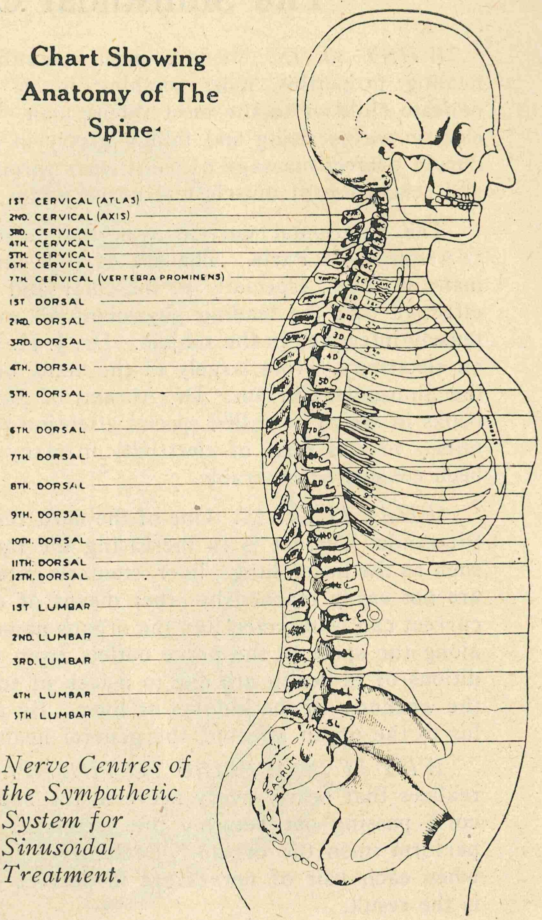
At the back of the neck will be noted a prominent bone or vertebrae which is more prominent than the others. This is called the seventh cervical, and is marked on the chart.

To locate the third, fourth or fifth cervical, count upwards from this point.

To locate any of the dorsal vertebrae or lumbar vertebrae, count downwards. There are twelve dorsal vertebrae numbered from top downwards, and five lumbar vertebrae just below the dorsal vertebrae.

By counting and feeling the vertebrae along the spine one can readily locate the part to be treated with the greatest accuracy.

Chart Showing Anatomy of The Spine



Nerve Centres of the Sympathetic System for Sinusoidal Treatment.

Rejuvenating to the Entire System

This treatment is beneficial in Enlargement of the Heart, Palpitation of the Heart, Weak Heart, Leaky Heart (valvular trouble), Exophthalmic Goitre, Cold in the Head, Whooping Cough, Nose Bleed and Nervous Deafness.

SINUSOIDAL CURRENT DIRECTIONS

The coal-tar derivatives such as acetanilid and other preparations are used to stimulate the heart. After their effect has passed the patient is worse than before, as nature having spent her store of vitality is exhausted. No need of dope if you have our Sinusoidal

Controller. Simply wet the large pad and place it at the sacrum (just below the small of the back) and with one small felt disc pressed at the seventh cervical (see chart) turn on a moderate current. After one half-minute turn it off. Rest one half-minute, repeat for five minutes in all. See that the pads are thoroughly moistened. If they become dry during the treatment wet them again. Treatments every day until relieved.

APPENDICITIS. In acute inflammatory conditions relief from pain or cure will often follow application of Sinusoidal Electricity applied at the right side second lumbar vertebrae and the other electrode over the site of pain.

ASTHMA. There are two forms of Asthma known as Bronchial Asthma and Cardiac (heart) Asthma. For Bronchial Asthma treatment should be applied at the fifth and sixth cervical vertebrae; mild current of electricity being used for ten to fifteen minutes, repeated every day. The above treatment dilates the bronchial tubes—thereby relieving the spasm which has produced the Asthmatic condition.

For *CARDIAC ASTHMA* (due to heart trouble) one electrode over the seventh cervical vertebrae and the other over the seventh dorsal or first, second and third lumbar, repeating the treatment the same as in Bronchial Asthma. Ozone as given by Models 25 and 29 should also be used.

BUST DEVELOPMENT. Many a woman would have a perfect form but for an underdeveloped bust. The *Sinusoidal Current* is the best means known to science for enlarging the bust and attaining a symmetrical development. If one breast is normal and one is small, you can enlarge the small one until both are uniform.

Place your finger on the large bone of the spine just at the back of the neck. This is called the seventh cervical spine (see chart, page 23). Pass the hand downwards along the spine feeling the notches or vertebrae. Count to the third dorsal (see chart) and place the large pad electrode well moistened, just over that point. Place the other felt disc attached to the wooden handle over one of the breasts. Then have a mild current turned on, just enough to make the breast tingle. Apply five minutes to each breast, unless one only is to be developed.

BEAUTY TREATMENT. Simply connect the massage roller with one of the cords and attach a metal handle to the other cord. Turn the pointer to "OFF." Hold the metal handle in one hand and taking the roller in the other hand, roll it gently over the part to be treated. An assistant can then turn the knob on the controller until you feel a gentle tingling of the skin. Be careful not to use too strong a current, especially over the cheek bones or around the eyes.

Much more current can be tolerated on the cheeks or neck than over less fleshy parts. Apply the current for about ten minutes daily.

BILIOUSNESS. Caused by an overloaded gall bladder or the bile failing to flow into the duodenum. This can be relieved with the Sinusoidal Electricity, one electrode being placed at the fifth and sixth dorsal, which contracts the gall bladder, forcing the bile into the duodenum. (Why use calomel when this can be accomplished in ten minutes with a mild current of electricity?)

BRIGHT'S DISEASE. May be relieved with Sinusoidal Electricity given by a physician who understands reducing blood pressure by means of spinal therapy.

CHILBLAINS. Place one electrode over the sacrum and the other upon affected parts. Treatment ten to fifteen minutes, using a mild current. This will stimulate the circulation and relieve the congestion.

COLD HANDS AND FEET. Due to poor circulation, may be relieved by stimulating the root of the nerve supplying these parts. For the hands use the *Sinusoidal Current;* one electrode placed at the fourth to sixth vertebrae and the other electrode held in the hand. For cold feet, one electrode passed over the dorsal vertebrae and the other electrode to the sole of the affected foot.

CONSTIPATION. One of the most common troubles the human race is subject to is caused by a multitude of conditions. One form of constipation due to loss of tone of the muscular coats of the bowel may be benefited with the *Spinal Electrode* placed on each side of the seventh and eighth dorsal vertebrae, using an interrupted sinusoidal current for ten minutes each day. While giving this treatment place one hand over the abdomen and note the sensation of contraction of the abdominal muscles, showing that the muscular walls of the bowels are undergoing the same contraction, thereby increasing their tone. When constipation is due to loss of tone of the intestinal glands, thereby diminishing the intestinal secretion causing hard, dry stools, the treatment should be *Sinusoidal Electricity,* one electrode placed at the seventh and eighth dorsal vertebrae and the other at the first, second and third lumbar vertebrae, thereby stimulating the action of the intestinal glands, causing them to secrete the normal amount of intestinal juice. Always with constipation, diet should be considered. Bran muffins, fruit, vegetables and thorough mastication of meats, slow eating, regular habits of diet, plenty of exercise in the open air. A good physical exercise to be used in connection with electricity is lying on the back and taking deep breaths, forcing the abdomen as high as possible, then gradually exhaling, drawing in the muscles in the abdomen as far as possible, repeating this three times per minute for five minutes.

DIFFICULT BREATHING. Caused by loss of tone of the lung cells failing to contract because of constriction of the bronchial tubes may be readily relieved by placing the Spinal Electrode on each side of the third and fourth cervical vertebrae.

DUODENAL ULCER. This condition is produced by excess of acid or not enough flow of the pancreatic juice to neutralize the acid in the duodenum. By placing an electrode over the tenth dorsal vertebrae and the other over the sacrum, relief is quickly obtained. Method of treatment as above for ten to fifteen minutes.

DIABETES MELLITUS. Another incurable disease has been benefited in many cases by application of the *Sinusoidal Current,* with one electrode placed at the tenth dorsal vertebrae and the other on the sacrum.

ENURESIS (bed wetting). When this condition is not produced by irritation of the external genitals it may be relieved by an interrupted *Sinusoidal Current* applied with one electrode at the first and fifth lumbar vertebrae and the other over the sacrum, using a mild current. Results should be obtained in from ten to twelve weeks. To facilitate this treatment, see that the intestinal tract is thoroughly kept cleaned up and make certain that worms are not present.

ENLARGEMENT OF HEART AND PALPITATION OF HEART. For weak heart or enlargement of the heart treatment may be applied at the seventh cervical vertebrae and the other electrode over the first and third lumbar, using a mild current from ten to fifteen minutes.

CORYZA. (Cold in Head). Acute congestion of bronchial tubes may be readily relieved by applying *Sinusoidal Electricity* with one electrode at the seventh cervical vertebrae and the other at the sacrum. Ozone is also highly recommended.

GALL STONES. Pain from gall stones is produced by the stone attempting to pass and being forced through the gall duct; duct being too small naturally the stone must cut and scratch its way through, causing pain. Relief in this may readily be obtained by placing one electrode over the eleventh and twelfth dorsal and the other over the sacrum, ten to fifteen minutes' treatment. (In very painful conditions one electrode may be placed over the site of pain.)

GENERAL TREATMENT. For general relief of any conditions a general tonic effect may be produced by placing one electrode at the first and third lumbar, using interrupted *Sinusoidal Current* for ten minutes twice a day.

INFANTILE PARALYSIS, which has baffled nearly all physicians, can, in most cases, be cured by *Sinusoidal Electricity* such as the *Branston Controller* produces, by applying one electrode at the eleventh and twelfth dorsal vertebrae and the other on the leg or foot of the affected part, using a mild current of electricity for ten to fifteen minutes.

For the arms, place one electrode at the fifth and sixth cervical vertebrae, and the other electrode in the hand on the affected side. This disease is an affection of some segment of the spinal cord, so the electrode on the spine must be placed on the vertebrae enclosing this segment. By faithful treatments every day, using a mild current, improvement will begin and in from two to three months cases are permanently cured. In cases of long standing use same treatment, but must be carried on longer periods of time—from six to eight months.

INSOMNIA. Many cases of insomnia will find upon becoming sleepy at night and retiring, their sleepiness will disappear, due to the fact that upon assuming a reclining position the blood flows to the brain, making sleep impossible. To relieve this distressing condition use *Sinusoidal Electricity* with the *Spinal Electrode* at the seventh and eighth dorsal, toning up the blood vessels in the lower part of the body, thereby drawing the blood from the brain and causing drowsiness after a few minutes treatment.

LIVER TROUBLES, so common to most people, known by the sluggish condition it produces, clay colored stools, yellow coat on the back part of the tongue, yellow muddy complexion, dizziness, sick stomach, malaise feeling, may be readily helped by stimulation of the seventh dorsal vertebrae which controls and tones the liver, causing an excess flow of the bile thereby relieving the above symptoms. Place an electrode at the seventh dorsal vertebrae and the other at the sacrum, interrupting the current for five minutes, then changing the upper electrode to the fifth and sixth dorsal and repeating as above for five minutes, continuing this for twenty minutes in all. This will immediately tone the liver, causing this organ to discharge all the accumulated bile, thereby relieving the symptoms produced by this condition and causing a general clearing up of the system.

LOCOMOTOR ATAXIA. Another disease considered incurable. Eighty per cent. of cases of Locomotor Ataxia are caused by syphilis. These cases may be helped, but rarely cured. The pains may be benefited and patients made fairly comfortable the rest of their lives by applying the *Sinusoidal Electricity* over the eleventh dorsal vertebrae and the other electrode alternating on the soles of the two feet. Locomotor Ataxia, caused by other conditions, may with reasonable expectation, be cured by *Sinusoidal Electricity;* one electrode placed on the eleventh and twelfth dorsal vertebrae and the other electrode placed on the feet (alternating on the soles of the feet) and electrodes may be moved up and down the limbs.

METORRHAGIA (flooding) may be quickly controlled by placing the *Spinal Electrode* on each side of the first, second, and third vertebrae with a mild *Sinusoidal Current.* This treatment stimulates the muscular coats of the uterus, causing a contraction and thereby stopping the flow of blood immediately.

NOSE BLEED. May be controlled, if not due to high blood pressure, by stimulation of the seventh cervical vertebrae with the *Sinusoidal Current* with electrode at the sacrum.

NERVOUS DEAFNESS. Place one electrode at the seventh cervical vertebrae and the other at the sacrum. Same treatment as above.

NEURITIS is called by some physicians neuralgia, but is really an inflammation of the nerve tissue, followed by degeneration of the nerve cells. This painful condition may be relieved in time by using the *Sinusoidal Electricity;* one electrode placed (if in the arm) over the fifth and sixth cervical vertebrae and the other electrode in the hand; or it may be moved up and down the painful area slowly. For neuritis of the chest (intercostal neuralgia), place one electrode over the tender spot in the spine which will be the root of the nerve affected, and the other on the chest in front, using *Sinusoidal Electricity* for 20 minutes. This will produce anaesthesia or numbness of the nerve, giving nature a chance to complete the cure.

NEURITIS OF THE LOWER LIMBS, OR SCIATICA. This very painful condition may be relieved by *Sinusoidal Electricity* by placing one electrode to the affected side at the second, third and fourth lumbar vertebrae and the other electrode passed slowly up and down the course of the sciatic nerve found in the painful area, using this treatment for fifteen to twenty minutes twice a day.

Hot poultices or compresses may also be applied during the intervals between treatments. Thorough cleansing of the bowels is most important in this condition, as in all rheumatic conditions.

PAINFUL OR SCANTY MENSTRUATION. This condition which is so common in young girls may often be cured at home without the embarrassment of consulting a physician. Painful menstruation is caused by congestion of the womb or too small an opening for the blood to pass through or displacement of the womb. All of these conditions may be in many cases readily relieved with the *Spinal Electrode* placed on each side of the third and fourth lumbar vertebrae and the *Sinusoidal Current used for fifteen or twenty minutes.*

PARALYSIS. Electricity is a wonderful help in restoring the lost tone of the muscles affected. For paralysis of the upper limbs use *Sinusoidal Electricity* at the fifth and sixth cervical vertebrae and the other electrode in the hand affected. For lower limbs place one electrode at the tenth, eleventh and twelfth dorsal, and the other electrode at the sole of the foot on the affected side, using an interrupted *Sinusoidal Current* for about ten minutes twice a day.

RHEUMATISM. This condition, which is so common and usually considered incurable, may be relieved and many cases permanently cured by using the *Sinusoidal Electricity* over the parts affected, also the rectal applicator connected with one pole and the other to the affected part. In curing this disease one must consider that nearly all cases are caused by autotoxemia (poison by your own poison) or the reabsorption of the contents of the bowels, which poison the system; therefore with the *Sinusoidal Current* a thorough cleansing out of the bowels, not for one day but for ten days, until nothing is produced but a watery stool, will drain the system through the natural sewer of the body, relieving the autotoxemia (poison by your own poison) giving nature a chance to assist.

SPLANCHNIC NEURASTHENIA. Known among women as female disease, with the characteristic bearing-down pains, backache, feet heavy, easily fatigued, weakness of memory, nervousness, irritability, misplaced organs, in many times caused by loss of tone of the splanchnic nerves which are found at the seventh and eighth dorsal vertebrae running down through the abdomen controlling the caliber of the large blood vessels in the abdomen. When these nerves become exhausted the loss of tone causes the veins in the abdomen to become enlarged, retaining twice and three times the amount of blood which they should, making twice and three times the weight pressing the pelvic organs out of position, causing this heaviness and bearing-down sensation so commonly found with female disease. With this accumulation of blood in the abdomen there is always a loss of blood of the brain, causing dizziness or light headedness, forgetfulness and wakefulness (insomnia). These conditions are very often relieved by placing the *Spinal Electrode* at the seventh and eighth vertebrae on each side, using a mild interrupted *Sinusoidal Current.* This treatment applied when lying on the back or reclining.

SICK HEADACHE. Caused from loss of the tone of the stomach, over-eating and all forms of indigestion, may be readily relieved and in many cases permanently cured by application of *Sinusoidal Electricity,* with one electrode on the fifth dorsal vertebra and the other electrode on the sacrum. Treatment same as above. This form of treatment relieves the stomach, empties contents of the stomach into the bowel, thereby relieving the blood pressure causing the headache. This same treatment is very useful when taking nauseous drugs which are repulsive to the stomach, such as castor-oil in children, immediately passing the drug into the duodenum, known as the second stomach, the nausea disappearing immediately.

WHOOPING COUGH. Congestion of the eye, ear, nose and lungs may be readily controlled by application of a mild current of *Sinusoidal Electricity* with one electrode placed at the seventh cervical and the other at the sacrum.

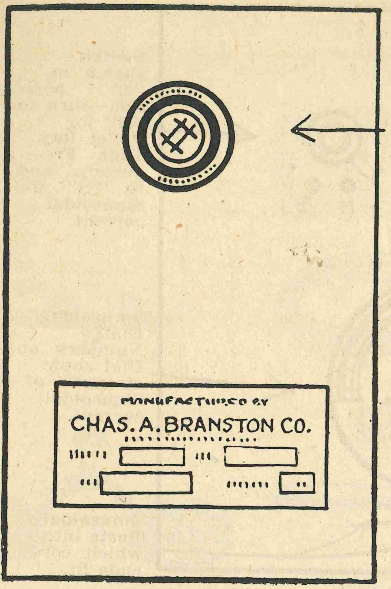
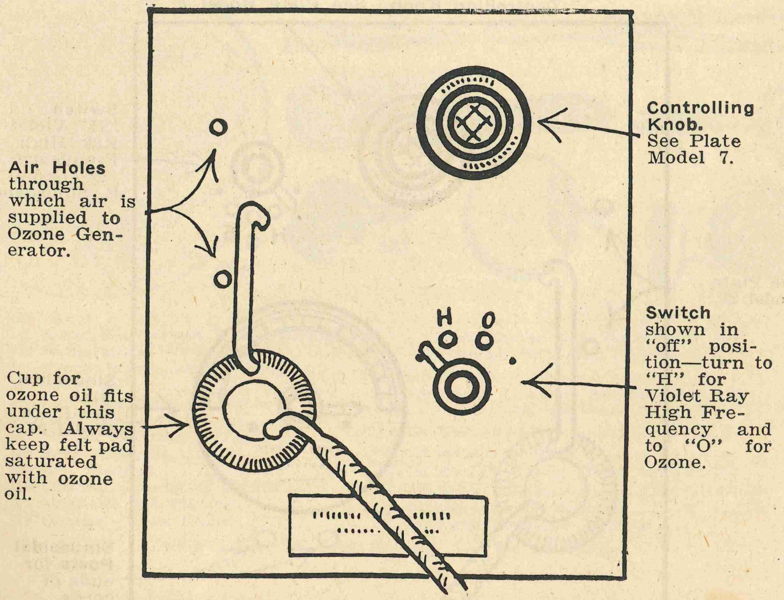


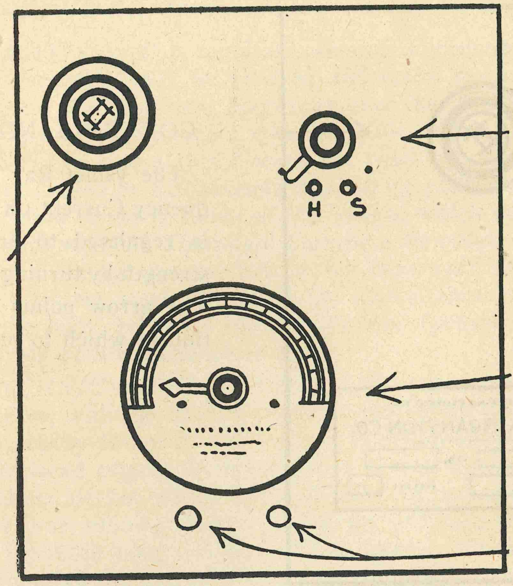
Plate of Models 7 and 9.

CONTROLLING KNOB

The Violet Ray High Frequency Current on all models is regulated to any desired strength by turning this knob. The arrow points the direction in which to turn.


Air Holes through which air is supplied to Ozone Generator.
Cup for ozone oil fits under this cap. Always keep felt pad saturated with ozone oil.
Controlling Knob. See Plate Model 7.
H
O
Switch shown in "off" position—turn to "H" for Violet Ray High Frequency and to "O" for Ozone.

Model 25 Plate.



Controlling Knob. See Plate Model 7.

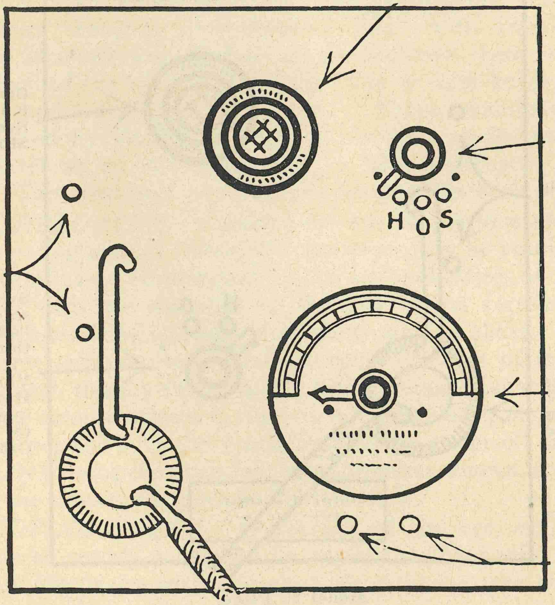
Switch shown in "off" position—turn to "H" for Violet Ray High Frequency and to "S" for Sinusoidal current.

Sinusoidal Dial. Numbers on Dial show strength of Sinusoidal current.

Sinusoidal Posts into which cord ends fit.

Model 27 Plate.

Controlling Knob. See Plate Model 7.



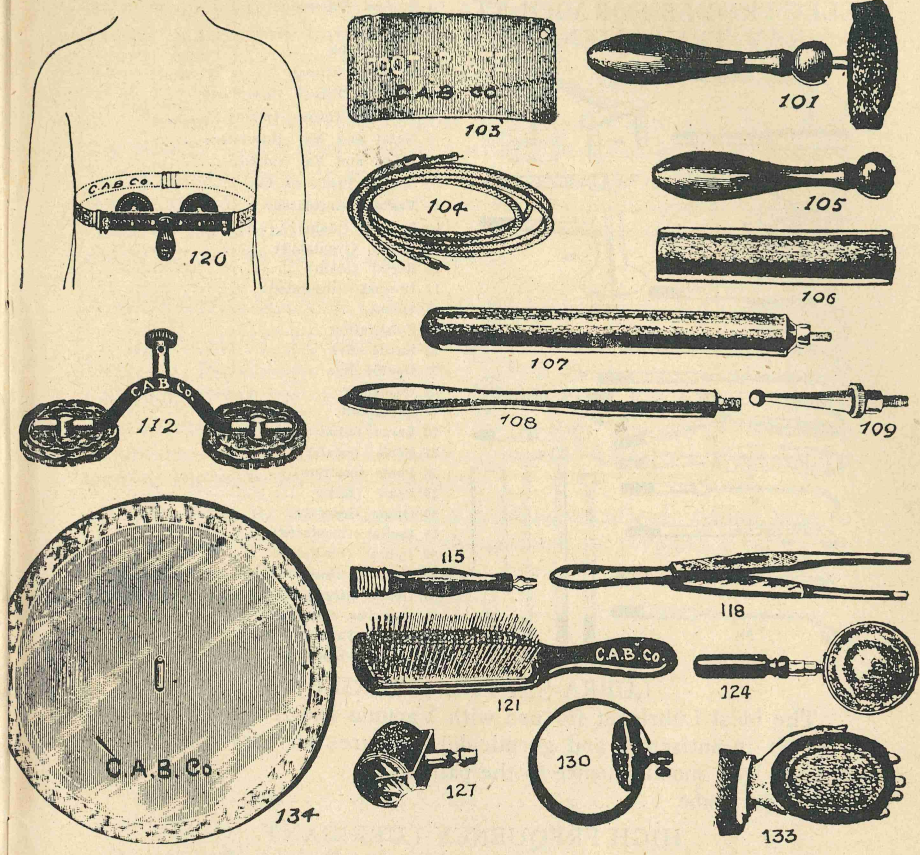
See Plate Model 25.

Switch "H" Violet Ray High Frequency. "O" Ozone S. Sinusoidal

Sinusoidal Dial See Plate Model 27.

Sinusoidal Posts for ends of cords.

ELECTRODES FOR SINUSOIDAL TREATMENTS

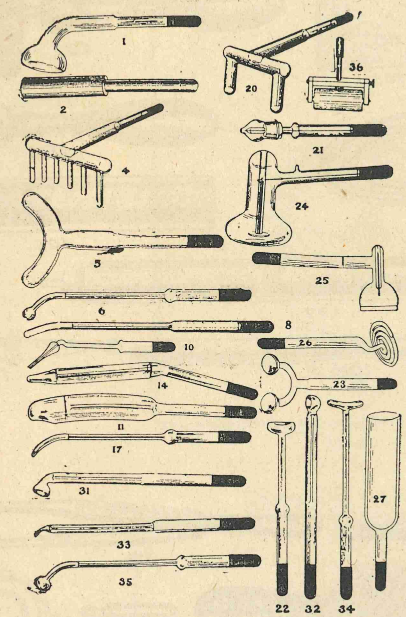


101 Sponge Electrode with Wooden Handle
102 Sponge without Wooden Handle ......
105 Wooden Handle without Sponge .....
103 Foot Plate ....
104 Conducting Cords, per pair ....
106 Metal Handle ....
107 Vaginal Electrode ....
108 Rectal Electrode ....
109 Erbs Electrode ....
110 Universal Interrupting Handle .....
112 Adjustable Eye Electrode ....
115 Universal Needle Holder ....

Steel Needles and Brooches for removing Hair, etc., 10c each. Doz
118 Forceps ....
120 Spinal Electrode, Self-Retaining and Adjustable, not shown in cut .....
121 Hair Brush ....
124 Magnifying Glass ....
127 Electric Massage Roller with Handle
130 Wrist Electrode ....
133 Hand Sponge Electrode ....
134 Large Abdominal Electrode ....

When ordering Electrodes separately, add 10c for postage.

ELECTRODES FOR VIOLET RAY TREATMENTS



1 Surface Electrode ....
2 Metal ....
4 Rake Comb ....
5 External Throat ....
6 Internal Throat (insulated) ....
7 Internal Throat (plain) ....
8 Nasal and Ear (insulated) ....
9 Nasal and Ear (plain) ....
10 Special Insulated Ear ....
11 Vaginal (insulated) ....
12 Vaginal (plain) ....
14 Rectal (insulated) ....
15 Rectal (plain) ....
17 Urethal (insulated) ....
20 Spinal ....
21 Fulguration ....
22 Single Eye ....
23 Double Eye ....
24 Condenser ....
25 Cataphoric.......................
26 Large Spiral ....
27 Penis (small) ....
28 Penis (medium) ....
29 Penis (large) ....
30 Ozone Generator ....
31 Dental (insulated) ....
32 Dental (insulated) ....
33 Dental (insulated) ....
34 Dental (insulated) ....
35 Pyorrhea (insulated) ....
36 Roller Vacuum (body) ....
37 Ground Electrode ....

LUBRA-SEPTOL (STERILE).

The ideal Lubricant for use with Vacuum Electrodes for internal use. It is antiseptic and germicidal. Insures an easy introduction and the least inconvenience to the patient.

Price, per tube ....

HIGH FREQUENCY LUBRICANT.

This preparation is manufactured by the Chas. A. Branston Co., especially for use in connection with electric treatment. For rheumatism, neuralgia, neuritis and kindred ailments, it proves invaluable.

Directions: Pour a teaspoonful of the lubricant in the hollow of the hand and rub over the affected part thoroughly. Then apply the Violet Ray current, which will drive the Lubricant through the pores of the skin and to the source of the pain.

High Frequency Lubricant, per 6 oz. bottle ....

When ordering Electrodes separately, add 10c for postage.

SPECIAL NOTICE.

In order to get the best possible results from a Branston Generator you must *use it regularly*. Do you expect a miracle—your illness may have been years coming on and it may take months to restore your health. Persevere with your treatments and the results will be sure.

A BLESSING IN THE HOME.

Remember that every member of the family can enjoy its vitalizing power. A nervous headache will be banished in a few minutes. For a severe bruise or knock use it immediately and you will be surprised at the way in which the soreness will disappear, leaving no trace or discoloration. Use your Branston Generator for minor ailments as well as for the more serious.

A WORKING MANUAL FOR HIGH FREQUENCY CURRENTS.

By Noble M. Eberhart, M.D., Ph.D., D.C.L., Prof. and Head of Dept. of Physiologic Therapeutics, Med. Dept., Loyola University, Chicago. Prof. of High Frequency, Illinois School of Electro-Therapeutics. Author of "Practical X-Ray Therapy," "Vibratory Technique," etc. An up-to-the-minute ready reference guide by the leading authority on High Frequency.

Just what its name implies, a working handbook, telling how to use these currents. No lengthy discussions, no perplexing technicalities, no "red tape." Over 300 pages; over 60 pages of illustrations. Handsomely bound (postage, 10c).

PERSONAL NOTES ON TREATMENT.

Saturday Night Press,
Toronto, Canada.

DIRECTIONS FOR TREATMENT
and
INSTRUCTIONS FOR OPERATING

The Branston
VIOLET RAY
HIGH FREQUENCY
GENERATOR
AND
Ozone and Sinusoidal Controller

FIFTH EDITION

CHAS. A. BRANSTON CO.
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FORM 55 10M-12-20

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